



DATE

PROJECT

COMMENTS

## PRODUCT FEATURES

### COMPACT FIXTURE HOUSING

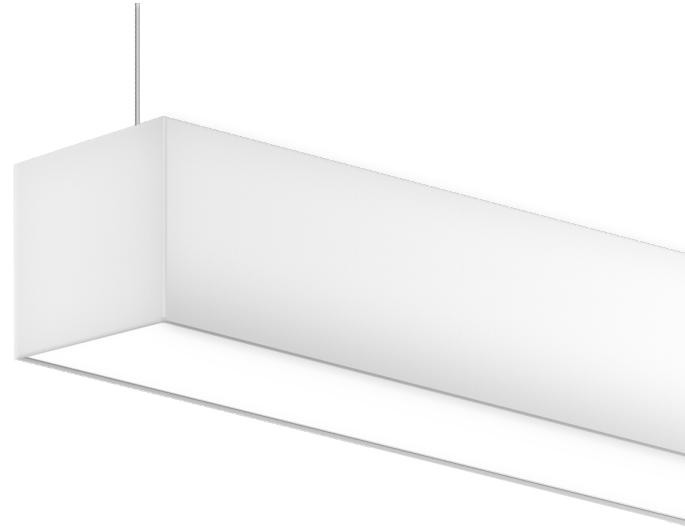
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### ONE-PIECE EXTRUDED ALUMINUM HOUSING

Ensures Straighter Rows and Consistent Lens Retention

### 120/277VAC 0-10 VOLT DIMMING TO 1% STANDARD

### UP TO 133 LUMENS PER WATT



## ORDERING GUIDE EX: 3S - 04 - MD - 30 - T1 - WH - EM[1]

SERIES	LENGTH	OUTPUT	CCT	MOUNTING	FINISH
<b>3S</b>	<b>XX</b> FT 2" INCREMENTS MAX 72' EX: 4' = 04	<b>HD</b> 1000 LM/FT <b>MD</b> 750 LM/FT <b>LD</b> 500 LM/FT	<b>30</b> 3000K <b>35</b> 3500K <b>40</b> 4000K	<b>T1</b> 1" T GRID <b>T9</b> 9/16" T GRID <b>SC</b> SCREW SLOT <b>HC</b> HARD CEILING <b>JB</b> JUNCTION BOX MOUNT	<b>WH</b> WHITE <b>BLK<sup>1</sup></b> BLACK  <small><sup>1</sup>WHITE FEED CORD &amp; COVER PLATE STANDARD; SEE OPTIONS FOR BLACK FINISH</small>

## OPTIONS

OPTION	DESCRIPTION	EMERGENCY BATTERY PACK	QUANTITY PER RUN
<b>EM<sup>2</sup></b>	EMERGENCY BATTERY PACK (ADD QUANTITIES BELOW)	<input type="checkbox"/>	
<b>EC</b>	EMERGENCY CIRCUIT (ADD QUANTITIES BELOW)	<input type="checkbox"/>	
<b>CB96</b>	96" FEED CORD & COVER PLATE		
<b>CB144</b>	144" FEED CORD & COVER PLATE		
<b>BC</b>	BLACK FEED CORD & COVER PLATE		
<b>WW</b>	WALL WASH		
<b>LE</b>	LOWER ILLUMINATED EDGE		
<b>HE<sup>3</sup></b>	HIGH EFFICIENCY		
<b>EM</b>	EMERGENCY BATTERY PACK	<input type="checkbox"/>	
<b>EC</b>	EMERGENCY CIRCUIT	<input type="checkbox"/>	

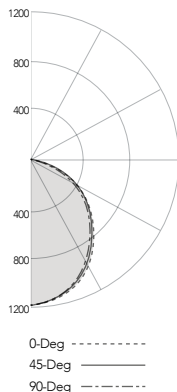
## ROW CONFIGURATION & CUSTOMIZATION

PLEASE SEE PAGE 5 FOR ROW CONFIGURATION TABLE AND CUSTOM FIXTURE ROW ACCESSORIES

## PHOTOMETRICS

### 3S-04-MD-30

Total Lumens: 2997  
Ratio: 0% Up and 100% Down  
Wattage: 26.76  
Efficacy: 112.00 (Lumens Per Watt)  
Fixture Length: Four Feet

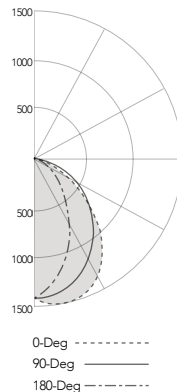


#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixt
0 - 30	888	29.1
0 - 40	1427	46.8
0 - 60	2443	80.0
0 - 90	3052	100.0
90 - 180	0	0.0
0 - 180	3052	100.0

### 3S-04-MD-30-WW

Total Lumens: 3,583  
Ratio: 0% Up and 100% Down  
Wattage: 31.6  
Efficacy: 104.68 (Lumens Per Watt)  
Fixture Length: Four Feet



#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixt
0 - 30	1057	32.0
0 - 40	1683	50.9
0 - 60	2769	83.7
0 - 90	3308	100.0
90 - 180	0	0.0
0 - 180	3308	100.0

## ENERGY CONSUMPTION

WATTS PER LINEAR FOOT

### SYMMETRICAL DOWN LIGHT

	H:1000	M:750	L:500
<b>WATTS/FT</b>	8.98	6.69	4.38
<b>LUMENS/FT</b>	938	747	474
<b>LUMENS/W</b>	104	112	108

### SYMMETRICAL DOWN LIGHT - HE OPTION

	H:1000	M:750	L:500
<b>WATTS/FT</b>	8.98	6.69	4.38
<b>LUMENS/FT</b>	1126	896	569
<b>LUMENS/W</b>	125.4	133.9	130.1

### WALL WASH

	H:1000	M:750	L:500
<b>WATTS/FT</b>	10.53	7.90	5.38
<b>LUMENS/FT</b>	1072.50	827.00	565.00
<b>LUMENS/W</b>	101.90	104.68	105.12

## OPERATION

### Light Engine:

The 3S is available in 3000K, 3500K & 4000K CCT all within a 2.5-Step MacAdam Ellipse and has a standard CRI of 80+.

### Optics:

The back lit extruded acrylic lens ensures high efficiency light output, in a minimal form factor for a clean, evenly illuminated lower surface with minimal glare. The optional Lower Illuminated Edge lens adds an elegant accent and reduces the side glare.

### Wall Wash:

Asymmetric extruded aluminum reflector with recessed extruded acrylic lens to achieve a superior wall uniformity while minimizing glare.

### Electrical:

Class 2 programmable (factory pre-set) premium power supply, 120-277VAC input. Power factor >0.9. THD <15%. Integral Surge Protection to 2KV.

### Dimming:

The 3S comes standard with 0-10V dimming down to 1%.

### Emergency Battery Pack:

UL Listed 924 Emergency System has been engineered to exceed UL Minimum Safety Standards. Fixture/rows will be supplied with a (unassembled) 6 Wire feed kit. Normal fixture drivers will be wired to "black" switched hot lead with a "red" unswitched through-wire wired to EM battery pack units "qty to be specified" in nomenclature string. Contractor will determine which fixture is the main feed point and terminate fixture leads as appropriate. For most fixtures, the entire direct portion of the fixture will be illuminated by the EM Battery Pack. For 10' High-Output and 12' Medium & High-Output only the first 8' of the direct portion of the fixture will be illuminated by the EM Battery Pack.

### Emergency Circuit:

Emergency Circuit fixtures are engineered so that the entire fixture is wired to the emergency circuit. Row Fixtures are constructed with an extra Hot and Neutral through wire. Each run will be supplied with (1) 5 Wire and (1) 4 Wire, unassembled, feed cord kit. "EC Quantity" refers to the number of fixtures in the run that are wired to the emergency circuit. For example, a 20' run with EC2 selected will be shipped as (2) 8' fixtures wired to the emergency circuit and (1) 4' fixture wired to the normal circuit. Contractor is responsible for designating the feed location and terminating fixture leads appropriately.

## GENERAL

### Warranty:

Ten (10) Year limited warranty from date of shipment

### Lumen Maintenance:

Rated for 85% initial lumen output at 88,300 Hours of operation, operated at 25C ambient temperature; per TM-21 Guidelines published by the Illuminating Engineering Society (IES).

### Certifications

All Luminaires are UL and cUL listed, approved for Dry/Damp locations. All EM Units are UL 924 listed.

Select configurations with the HE option are DesignLights Consortium® Qualified for DLC Standard, please refer to [www.designlights.org](http://www.designlights.org) for details.

### Shipping

2-Week lead time for orders up to 1000 Linear Feet.

4-Week lead time for orders with a Black finish.

Orders Greater than 1,000' to be determined at time of order.

## MECHANICAL

### Housing Construction:

Extruded Aluminum 6063-T5 alloy outer housing with die-formed steel internal components for strength, alignment and mounting attachment. Our high-quality die-cast end caps are engineered to conceal all fasteners and to retain the sealing gaskets on the inside of the fixture while completing the clean and minimalistic look of this luminaire.

### Alignment/Assembly:

The alignment system employs a four-point alignment and attachment method, designed to create straighter rows and minimize seams between sections (field assembled). Four alignment pins ensure the outer extruded aluminum rails are aligned, while a draw-screw secures housing-to-housing attachment. Additional alignment biscuits double as the light shields.

### Lengths:

The 3S is available in a minimum 2-foot (nominal) length with additional 2-foot increments available. Longer fixture rows are available and will be configured per ALL factory specifications; typical rows are configured with 4-foot, 6-foot & 8-foot fixtures.

### Mounting Method/Hardware:

The 3S is available for mounting upon any ceiling type, additional mounting hardware available by others.

### Exterior Finish:

The 3S is available in White and Black polyester powder coat finish to ensure durability.

### Suspension Components:

Fixtures are suspended by 1/16" galvanized aircraft cable. Cables are attached to the ceiling suspension point with a 1/4-20 threaded ceiling cable barrel that incorporates a threaded ring to support the feed/hanger canopy allowing access to the j-box/hanger without removal of the suspension cable allowing conductor inspection/service without having to support the fixture(s). Feed canopies are 5" O.D. And hanger canopies are 2" O.D. Cable lengths can be specified for 48", 96" & 144" suspension lengths. Ceiling type options are "T1" T-grid, "T9" T-grid, "SC" screw slot grid, "HC" hard ceiling or "JB" hard ceiling J-box mount.

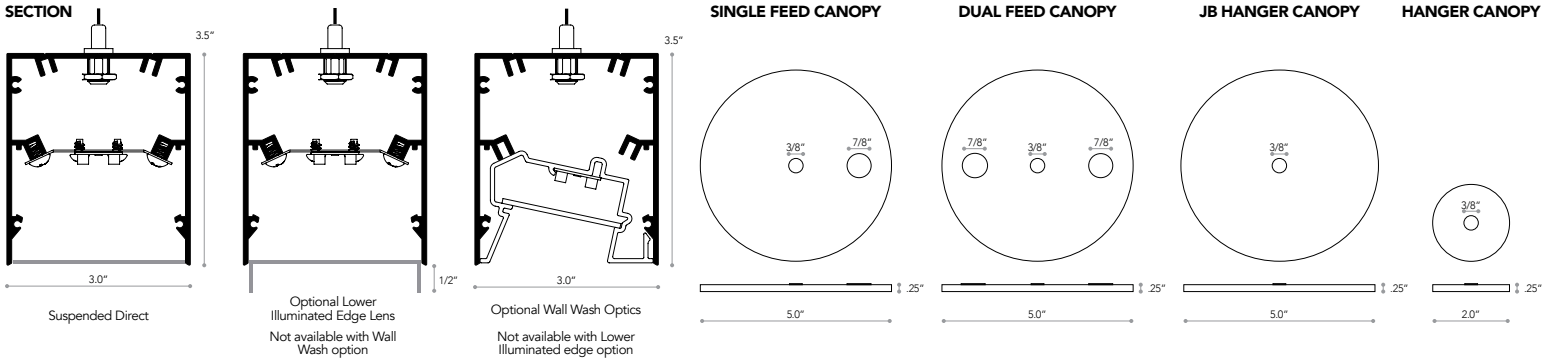
### Manufactured in the USA

All ALL Luminaires and Components (with the exception of our LED boards and drivers) are proudly manufactured and assembled in the USA.

### On Site Installation Notes:

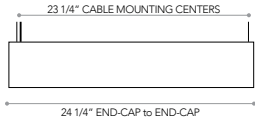
Fixture/rows will be supplied with the appropriate hardware kits to join fixtures together for specified row(s) length. End plate kits will also be supplied as required per row specifications.

**MOUNTING DETAILS**

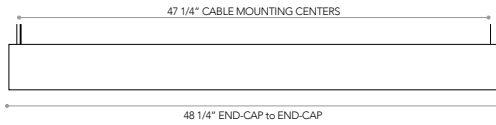


**FIXTURE ROW LAYOUT: SINGLE UNIT 2' - 4' - 6' - 8' - 10' - 12'**

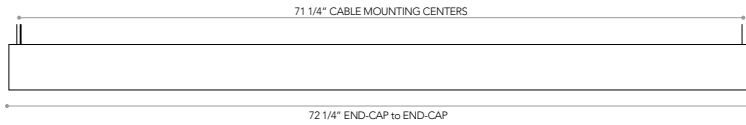
**2' FIXTURE**



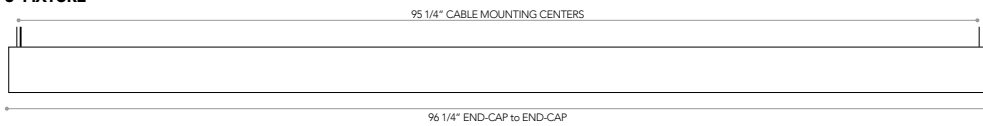
**4' FIXTURE**



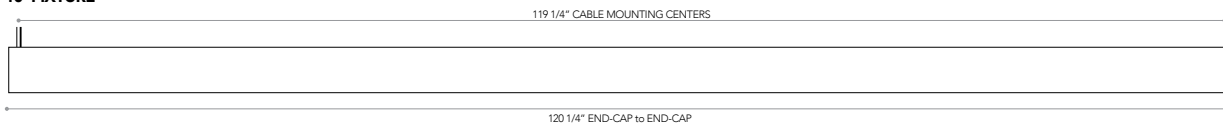
**6' FIXTURE**



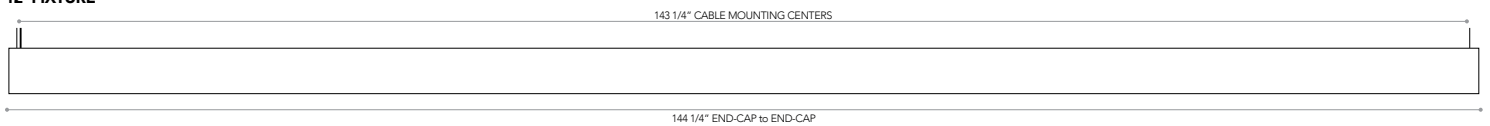
**8' FIXTURE**



**10' FIXTURE**

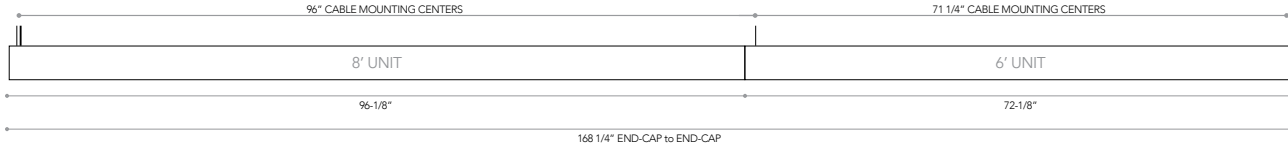


**12' FIXTURE**

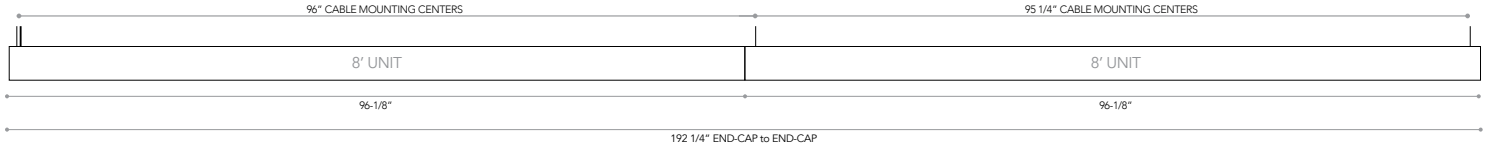


**FIXTURE ROW LAYOUT: TWO UNITS 14' - 16'**

**14' FIXTURE**



**16' FIXTURE**

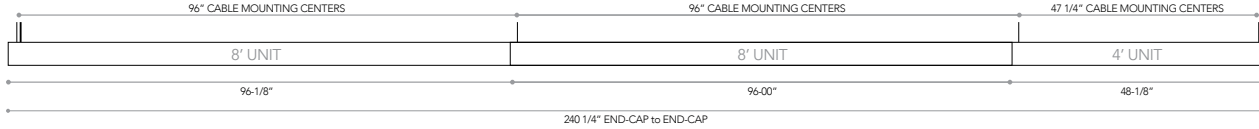


**FIXTURE ROW LAYOUT: THREE UNITS 18' - 20' - 22' - 24'**

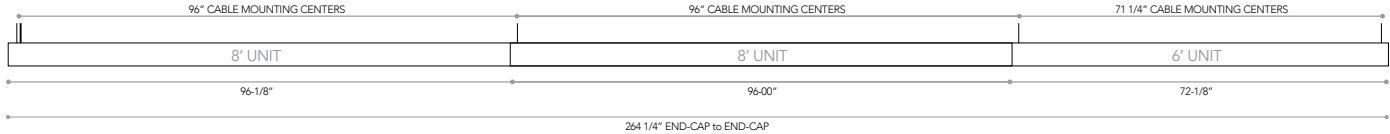
**18' FIXTURE**



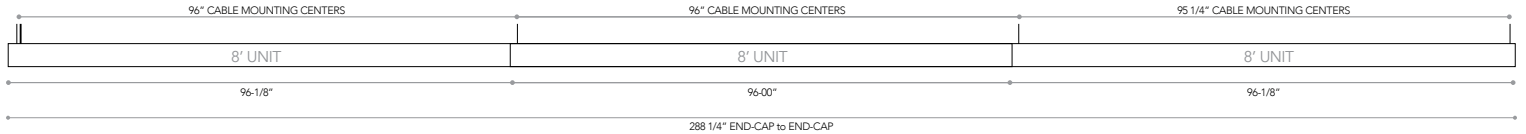
**20' FIXTURE**



**22' FIXTURE**



**24' FIXTURE**



**FIXTURE ROW COMPONENTS**

ROW LENGTH	2' - UNIT	4' - UNIT	6' - UNIT	8' - UNIT	10' - UNIT	12' - UNIT	JOINER KITS	END CAPS	END-CAP TO END-CAP
2'	1	-	-	-	-	-	-	-	24-1/4"
4'	-	1	-	-	-	-	-	-	48-1/4"
6'	-	-	1	-	-	-	-	-	72-1/4"
8'	-	-	-	1	-	-	-	-	96-1/4"
10'	-	-	-	-	1	-	-	-	120-1/4"
12'	-	-	-	-	-	1	-	-	144-1/4"
14'	-	-	1	1	-	-	1	2	168-1/4"
16'	-	-	-	2	-	-	1	2	192-1/4"
18'	-	1	1	1	-	-	2	2	216-1/4"
20'	-	1	-	2	-	-	2	2	240-1/4"
22'	-	-	1	2	-	-	2	2	264-1/4"
24'	-	-	-	3	-	-	2	2	288-1/4"
26'	-	1	1	2	-	-	3	2	312-1/4"
28'	-	1	-	3	-	-	3	2	336-1/4"
30'	-	-	1	3	-	-	3	2	360-1/4"
32'	-	-	-	4	-	-	3	2	384-1/4"
34'	-	1	1	3	-	-	4	2	408-1/4"
36'	-	1	-	4	-	-	4	2	432-1/4"
38'	-	-	1	4	-	-	4	2	456-1/4"
40'	-	-	-	5	-	-	4	2	480-1/4"
42'	-	1	1	4	-	-	5	2	504-1/4"
44'	-	1	-	5	-	-	5	2	528-1/4"
46'	-	-	1	5	-	-	5	2	552-1/4"
48'	-	-	-	6	-	-	5	2	576-1/4"
50'	-	1	1	5	-	-	6	2	600-1/4"
52'	-	1	-	6	-	-	6	2	624-1/4"
54'	-	-	1	6	-	-	6	2	648-1/4"
56'	-	-	-	7	-	-	6	2	672-1/4"
58'	-	1	1	6	-	-	7	2	696-1/4"
60'	-	1	-	7	-	-	7	2	720-1/4"
62'	-	-	1	7	-	-	7	2	744-1/4"
64'	-	-	-	8	-	-	7	2	768-1/4"
66'	-	1	1	7	-	-	8	2	792-1/4"
68'	-	1	-	8	-	-	8	2	816-1/4"
70'	-	-	1	8	-	-	8	2	840-1/4"
72'	-	-	-	9	-	-	8	2	864-1/4"

**Note 1**  
Suspended Mount Fixtures have Cable Mounting Holes 1/2" from End-Cap

**CUSTOM FIXTURE ROW ACCESSORIES** **ADDITIONAL FEED CORD KIT**  
APPROPRIATE 5" COVER PLATE, MOUNTING HARDWARE & FEED CORD(S)

KIT	LENGTH	MOUNTING	FUNCTION	COLOR	QUANTITY
<b>FK</b>	<b>48</b> 48" LENGTH	<b>T1</b>	<b>ST</b> STANDARD 0-10V DIMMING	<b>WH</b> WHITE	
	<b>96</b> 96" LENGTH	<b>T9</b>	<b>EM</b>	<b>BLK</b> BLACK	
	<b>144</b> 144" LENGTH	<b>SC</b>			
		<b>HC</b>			
		<b>JB</b>			